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(19) **United States**(12) **Patent Application Publication****Ball et al.**(10) **Pub. No.: US 2006/0273293 A1**(43) **Pub. Date: Dec. 7, 2006**(54) **POWERED ROPE ASCENDER AND
PORTABLE ROPE PULLING DEVICE****Related U.S. Application Data**

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BOSTON, MA 02210-2604 (US)**(57) **ABSTRACT**

A device for pulling an elongate member includes a powered rotational motor having an output and a rotating drum connected to the output of said rotational motor where the rotating drum has a longitudinal axis and a circumference. The device further includes a guide mechanism for guiding the resilient elongate element onto, around at least a portion of the circumference of, and off of, the rotating drum. When the powered rotational motor turns the rotating drum, the rotating drum thereby continuously pulls the resilient elongate element through the device.

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